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2634  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application

Applicant(s): Khalil C. Haddad  
Case: 1  
Serial No.: 09/803,801  
Filing Date: March 12, 2001  
Group: 2634  
Examiner: Jason M. Perilla

I hereby certify that this paper is being deposited on this date with the U.S. Postal Service as first class mail addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Signature: Tim Maurity Date: April 19, 2005

Title: Shortening Impulse Response Filter (SIRF) and Design Technique Therefor

TRANSMITTAL LETTER

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith is an Amendment and Response to Office Action relating to the above-identified patent application. There is no additional claim fee due in conjunction with the Amendment.

In the event of any non-payment or improper payment of a required fee, the Commissioner is hereby authorized to charge or to credit **Deposit Account No. 50-0762** as required to correct the error. A duplicate copy of this letter is enclosed.

Respectfully submitted,

Kevin M. Mason

Date: April 19, 2005

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**Patent Application**

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Signature: [Signature] Date: April 18, 2005

Title: Shortening Impulse Response Filter (SIRF) and Design Technique  
Therefor

AMENDMENT AND RESPONSE TO OFFICE ACTION

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the outstanding Office Action, dated January 19, 2005,  
please amend the above-identified patent application as follows: